DU - Dump Generation

- For Mainframes
- For UNIX/OpenVMS and Windows

Parameter	Possible Values	Default Value	Applicable Statements
DU	ON, OFF, SNAP, FORCE	OFF	SET GLOBALS

DU for Mainframes

With this session parameter, you determine whether a memory dump is to be generated in the case of an abnormal interruption during the execution of a Natural program.

DU=OFF	No memory dump will be produced, error 954 ABEND at execution time will be produced, and subsequent action taken by Natural is determined by the setting of the CC parameter.
DU=ON	A memory dump will be produced in the case of an abnormal termination.
DU=SNAP	This will force an immediate dump in the case of an abnormal termination during a Natural session. The Natural session will continue after the dump has been taken.
DU=FORCE	This will force an immediate dump in the case of an abnormal termination during a Natural session and will terminate the Natural session immediately. This will be useful for testing purposes in some environments.

Example:

```
SET GLOBALS DU=ON
```

Notes:
Be careful when you use this parameter, because all programs and subroutines currently active for the current user will be retained in the Natural buffer pool.
DU=ON, SNAP or FORCE may cause buffer fragmentation which may result in a significant degradation in system performance.

Note for UTM:
Under UTM, this parameter is ignored; under UTM, a dump is always produced in the case of an abnormal program termination.

DU for UNIX/OpenVMS and Windows

With this session parameter, you determine whether a disassembled object-code dump is to be generated.

DU=ON	When one of the **system commands** CHECK, STOW, CATALOG or RUN is executed, a disassembled object-code file will be produced. This dump file will be written into the directory "tmp" below the Natural root directory.
	The name of the dump file consists of the source-file name and the extension ".DIA". If the source file has not been saved, the name of the dump file will be "GEN.DIA" (under OpenVMS and UNIX) or "UNTITLED.DIA" (under Windows) respectively.
	If the program contains database statements, dump files with the extension ".ADA" (for Adabas) or ".SQL" (for SQL databases) will also be generated.
	If cross-reference data are generated, a file with the extension ".XRF" will also be generated.
DU=OFF	No dump will be produced.

Example:

```
SET GLOBALS DU=ON
```

Note:
DU=ON may create a large dump file (depending on the size of the source file), which can cause a significant degradation in system performance.